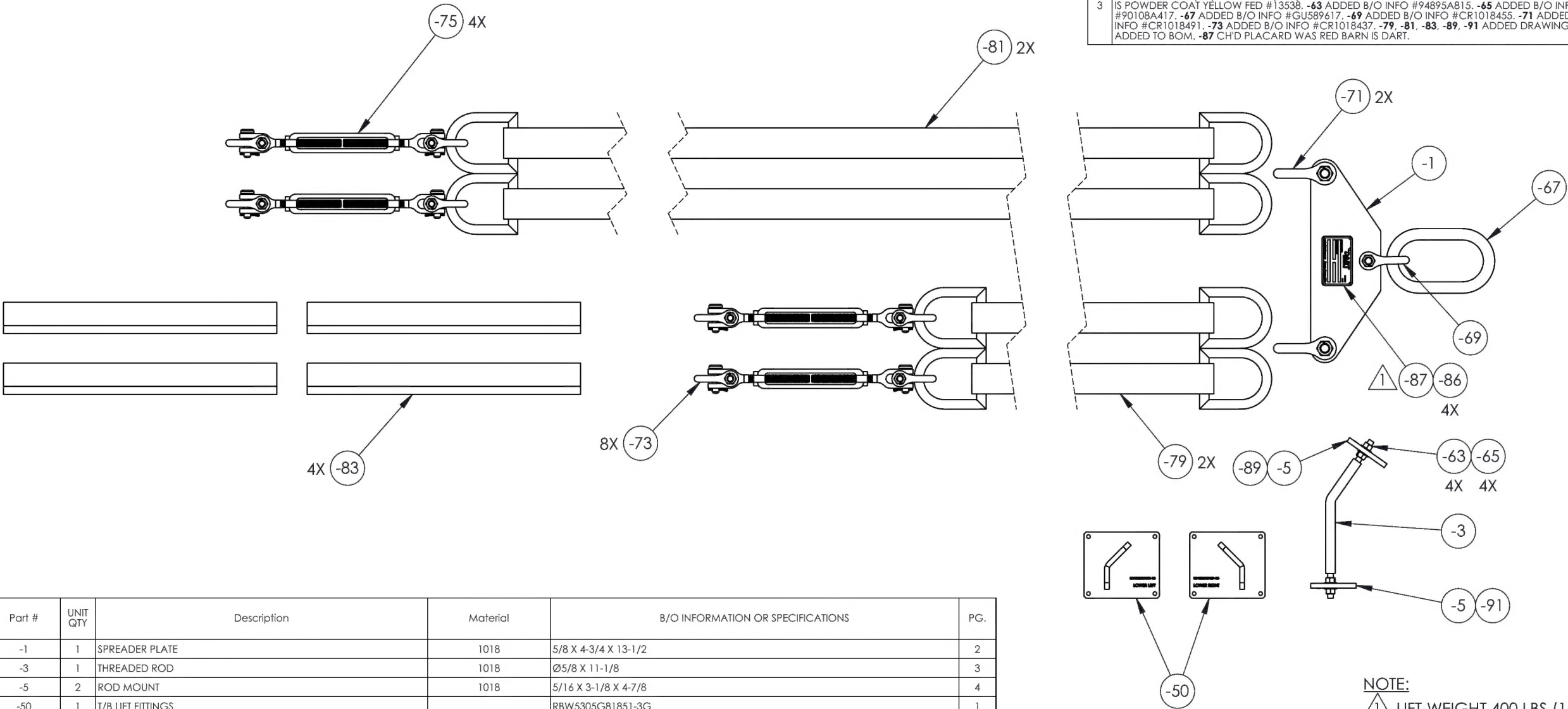


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
A	CH'D ENGRAVE NOTE P/N -5. CORRECTED P/N -7'S TO -21 & -49.	5/28/2009	RJC	
B	CHANGED B.O.M. -3 QTY FROM 2 TO 1. -45 LENGTH FROM 39-1/8 TO 29-1/4. ALSO ADDED PAGE FOR -33 THRU -41 DRAWINGS. ADDED MISSING DIMENSION Ø1.125 TO -43. PER DAVE. ALSO ADDED TOLERANCE TO O.D. OF -45.	10/5/2009	WP	DW
C	ADDED -3G TO END OF TOOL NUMBER. ADDED RADIUS OK TO -29 & -31. CH'D FINISH FROM BLACK OXIDE TO ZINC YELLOW -45, -47, & -49.	3/29/2010	RJC	DW
1	ADDED -50 TAIL BOOM LIFT FITTINGS RBW5385G81851.	3/29/2010	WP	RW
2	DELETED PART No.'s -7 thru -61 AND -85. TAIL BOOM BRACKED ASSEMBLY IS REMOVED FROM THIS TOOL AND ADDED TO TOOL No. RBW5305G00232-3G TAIL BOOM TROLLEY. REDUCED PAGES FROM 8 TO 2. CHANGED -1, -3, & -5 FROM PAINT TO POWDER COAT. ALSO ADDED -89 & -91 STICKERS TO REPLACE STENCILS.	6/29/2010	WP	DW
2D	CORRECTED P.N. ON -50 IN BOM WAS RBW5385G81851.	3/6/2012	SE	RW
3	UPDATED TO NEW DRAFTING STANDARDS. CH'D TITLE BLOCK WAS RED BARN IS DART. CH'D TOLERANCE ON NON-CRITICAL PARTS. -1 CH'D DIM WAS 4.0 IS (3.9). WAS .625 IS (.625). -5 CH'D DIMS WAS .75 IS (.76). WAS .31 IS (.313). -1, -3, -5 CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538. -63 ADDED B/O INFO #94895A815. -65 ADDED B/O INFO #90108A417. -67 ADDED B/O INFO #GU589617. -69 ADDED B/O INFO #CR1018455. -71 ADDED B/O INFO #CR1018491. -73 ADDED B/O INFO #CR1018437. -79, -81, -83, -89, -91 ADDED DRAWINGS. -86 ADDED TO BOM. -87 CH'D PLACARD WAS RED BARN IS DART.	7/1/2014	DPD	JAG



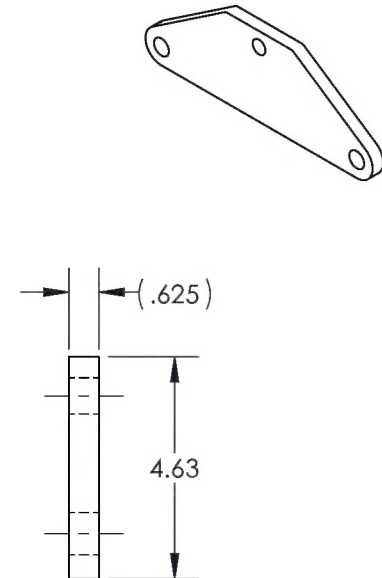
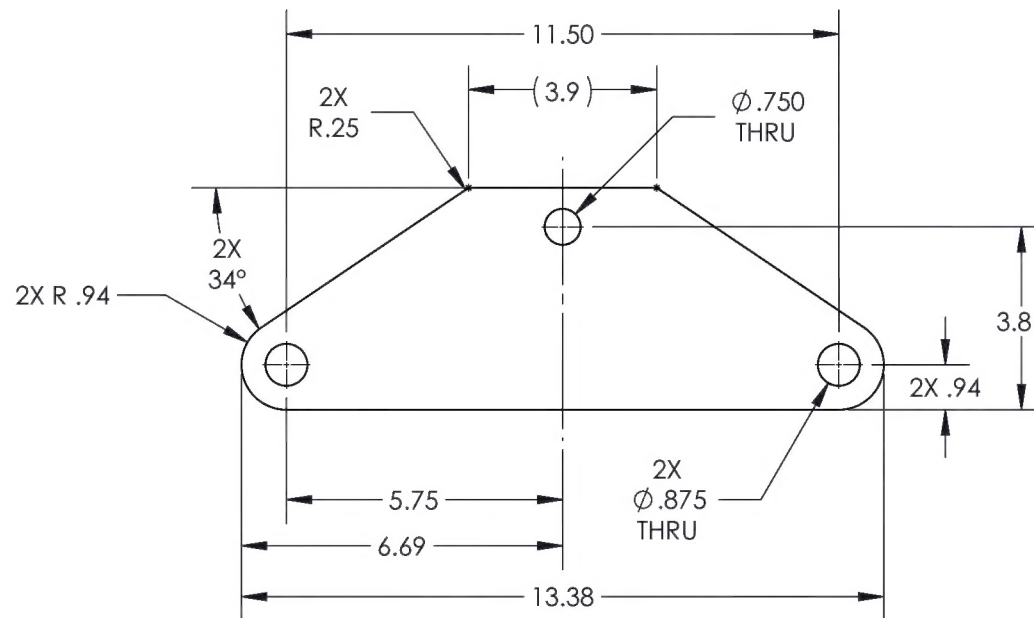
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SPREADER PLATE	1018	5/8 X 4-3/4 X 13-1/2	2
			-3	1	THREADED ROD	1018	Ø5/8 X 11-1/8	3
			-5	2	ROD MOUNT	1018	5/16 X 3-1/8 X 4-7/8	4
			-50	1	T/B LIFT FITTINGS		RBW5305G81851-3G	1
		B/O	-63	4	HEX NUT	STEEL	3/8-24 MCMaster-CARR #94895A815	1
		B/O	-65	4	WASHER	STEEL	Ø7/16 I.D. MCMaster-CARR #90108A417	1
		B/O	-67	1	OBLONG LINK RING, WELDLESS	STEEL	Ø3/4 EUGENE EQUIPMENT #GU589617	1
		B/O	-69	1	SHACKLE W/ SCREW PIN	STEEL	Ø1/2 EUGENE EQUIPMENT #CR1018455	1
		B/O	-71	2	SHACKLE W/ SCREW PIN	STEEL	Ø3/4 EUGENE EQUIPMENT #CR1018491	1
		B/O	-73	8	SHACKLE W/ SCREW PIN	STEEL	Ø7/16 EUGENE EQUIPMENT #CR1018437	1
		B/O	-75	4	TURNBUCKLE, JAW TO JAW	STEEL	1/2-13 UNC MCMaster-CARR #3001T54	1
			-79	2	SPANSET GREEN WEB SLING (2000 kg) W/ Ø5/8 ELONGATED D-RING	SYNTHETIC, TYPE II	2 PLY; 2in. X 50in. EUGENE EQUIPMENT (REF. MED. CAP. TYPE II TT2-502)	5
			-81	2	SPANSET GREEN WEB SLING (2000kg) W/ Ø5/8 ELONGATED D-RING	SYNTHETIC, TYPE II	2 PLY; 2in. X 120in. EUGENE EQUIPMENT (REF. MED. CAP. TYPE II TT2-502)	6
			-83	4	SECURTEX SLEEVE, WEB SLING PROTECTOR PAD, W/ VELCRO	SYNTHETIC W/ PADDING	FOR 2in. STRAP X 18in. EUGENE EQUIPMENT	7
		B/O	-86	4	DRIVE SCREW	STEEL	#2 X 1/4 MCMaster-CARR #90081A077	1
			-87	1	DART PLACARD	ALUMINUM	#RB41011	1
		B/O	-89	1	STICKER, "UPPER RIGHT"	CLEAR PLASTIC	3/16 BLACK LETTERS SIGNS NOW	8
		B/O	-91	1	STICKER, "UPPER LEFT"	CLEAR PLASTIC	3/16 BLACK LETTERS SIGNS NOW	9

NOTE:
1 LIFT WEIGHT 400 LBS (1750 N).

DART AEROSPACE			
TITLE		TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO.		RBW5305G00131-3G	
MAT'L		REV 3	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: DUERFELDT	
.XXX ± .005 FRACTIONS ± 1/32		APPROVED <i>D Weir</i>	
.XX ± .01 ANGLES ± 5°		TREAT	
.X ± .1		FINISH	
1. BREAK ALL SHARP EDGES .015 x 45°		SPEC	
OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		AW139	
SCALE 1:8		DATE 5/4/2009	
		SHEET 1 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	-1 CH'D DIM WAS 4.0 IS (3.9), WAS .625 IS (.625). CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538.	7/1/2014	DPD	JAG

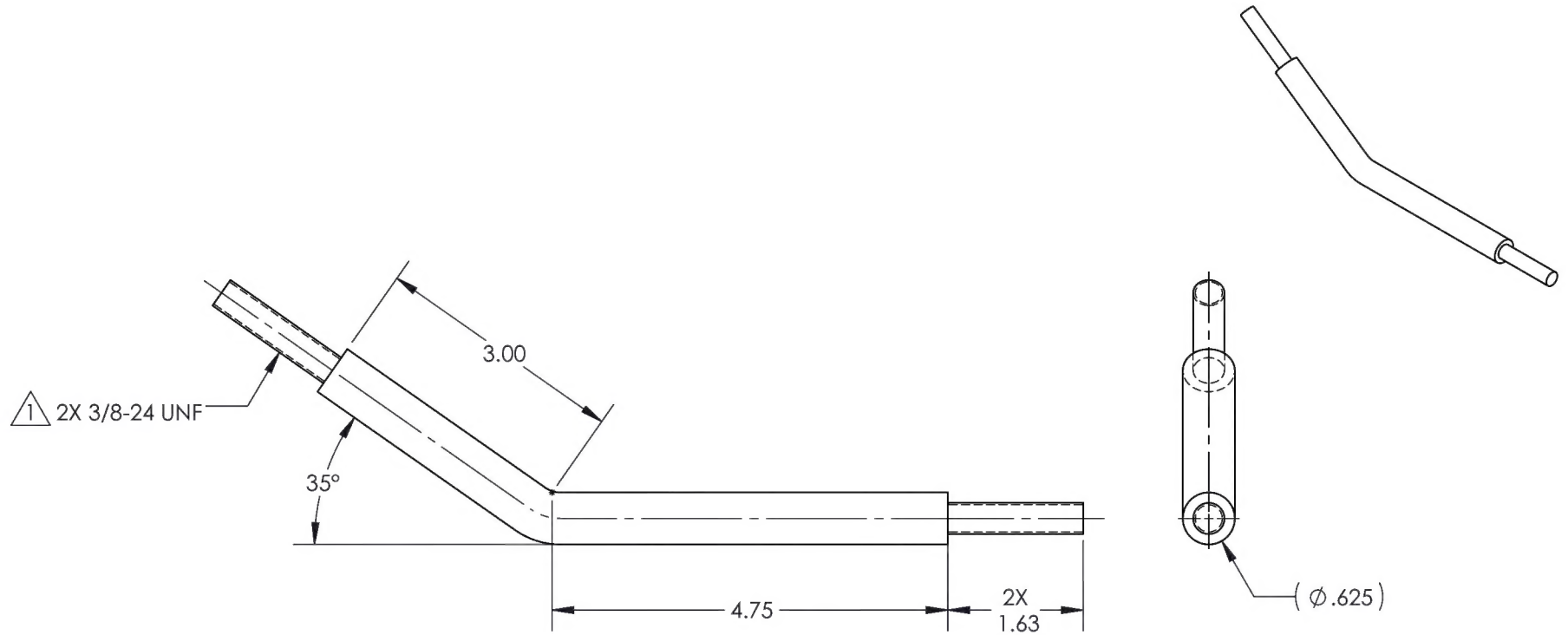


(-1)
SPREADER PLATE

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-1	REV 3
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH POWDER COAT YELLOW
.X ± .1	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE 1:4	DATE 6/17/2014
SHEET 2 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	-3 CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538.	7/1/2014	DPD	JAG



NOTE:

① MASK THREADS BEFORE POWDER COATING.

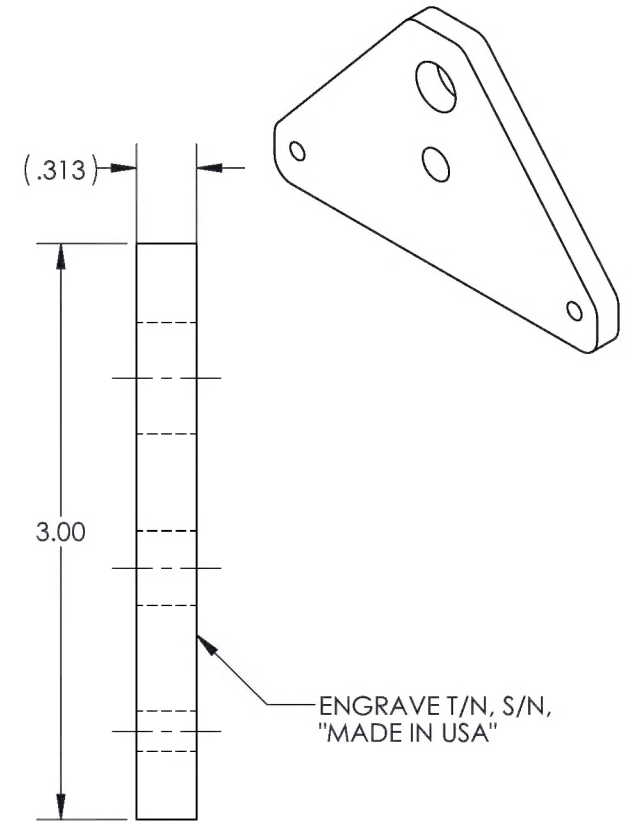
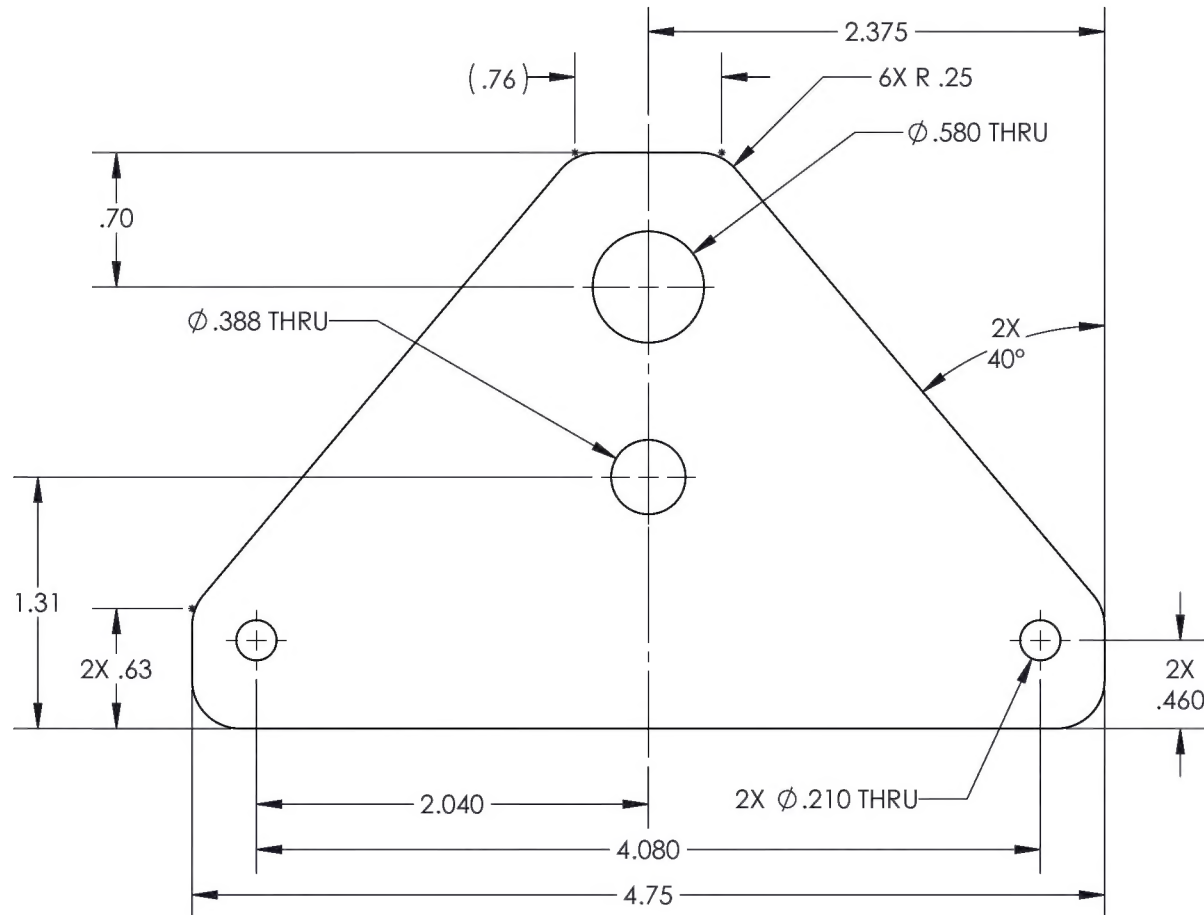
③

THREADED ROD

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-3	REV 3
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH POWDER COAT YELLOW
.X ± .1	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE 1:2	DATE 6/17/2014
SHEET 3 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	-5 CH'D DIMS WAS .75 IS (.76), WAS .31 IS (.313), CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538.	7/1/2014	DPD	JAG



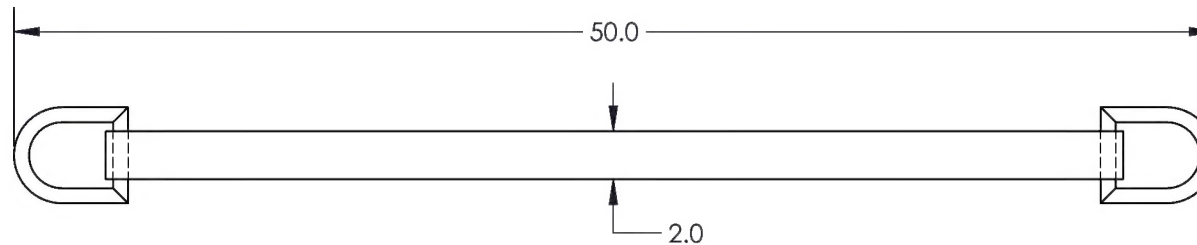
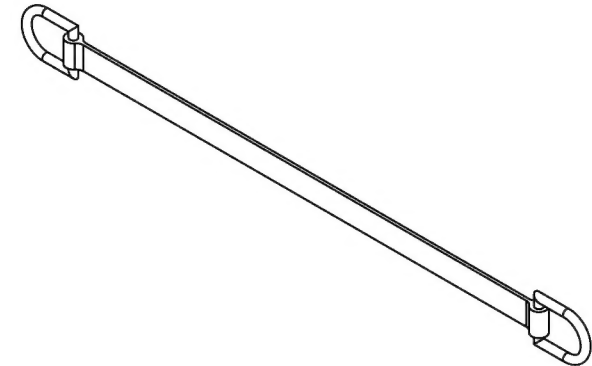
(-5)

ROD MOUNT

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-5	REV 3
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH POWDER COAT YELLOW
.X ± .1	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE 1:1	DATE 6/17/2014
SHEET 4 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



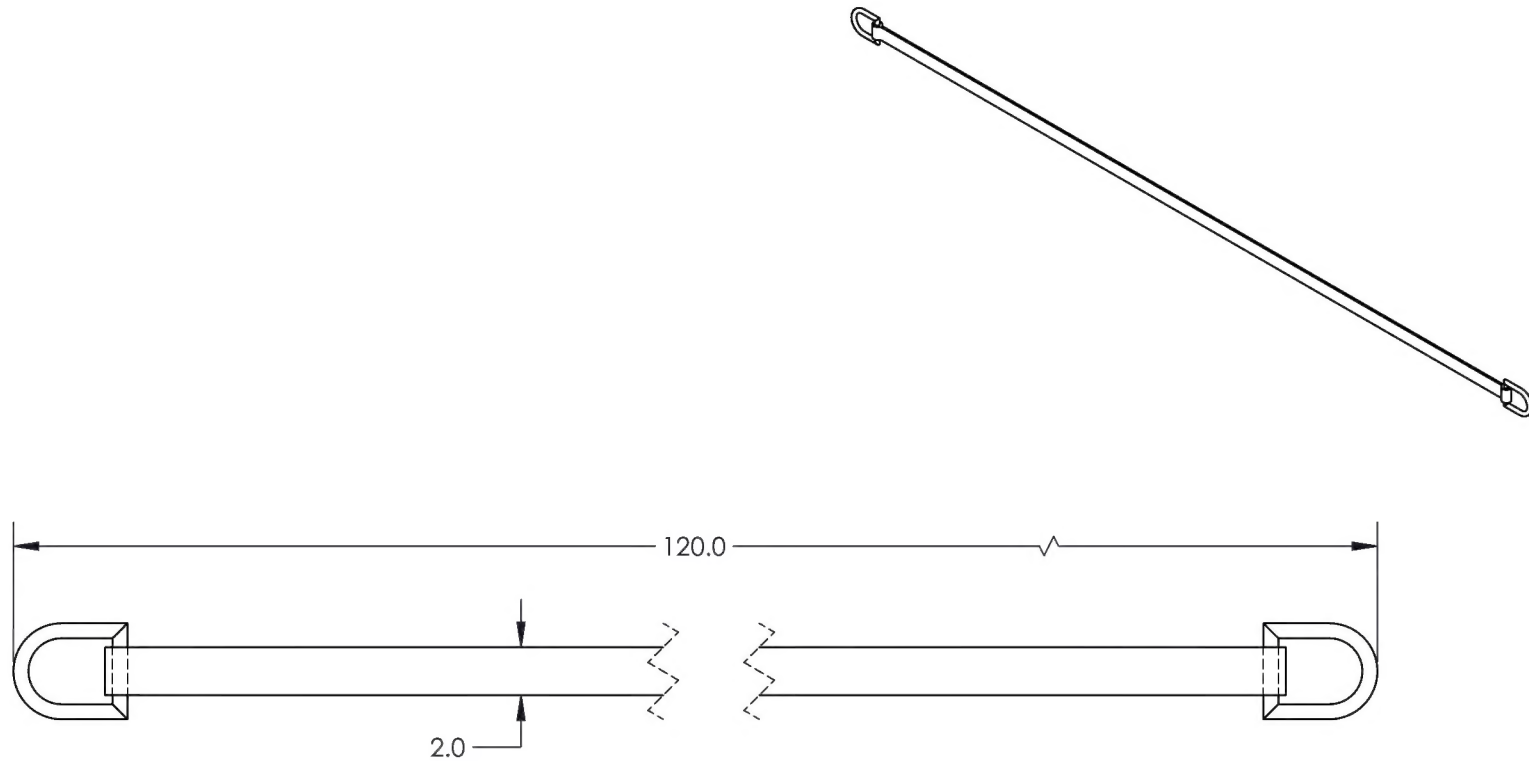
-79

SPANSET GREEN WEB SLING (2000 kg) W/ Ø5/8 ELONGATED D-RING

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-79	REV 3
MAT'L SYNTHETIC, TYPE II	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT
.XX ± .01 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW139
SCALE 1:8	DATE 7/1/2014
	SHEET 5 OF 10

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



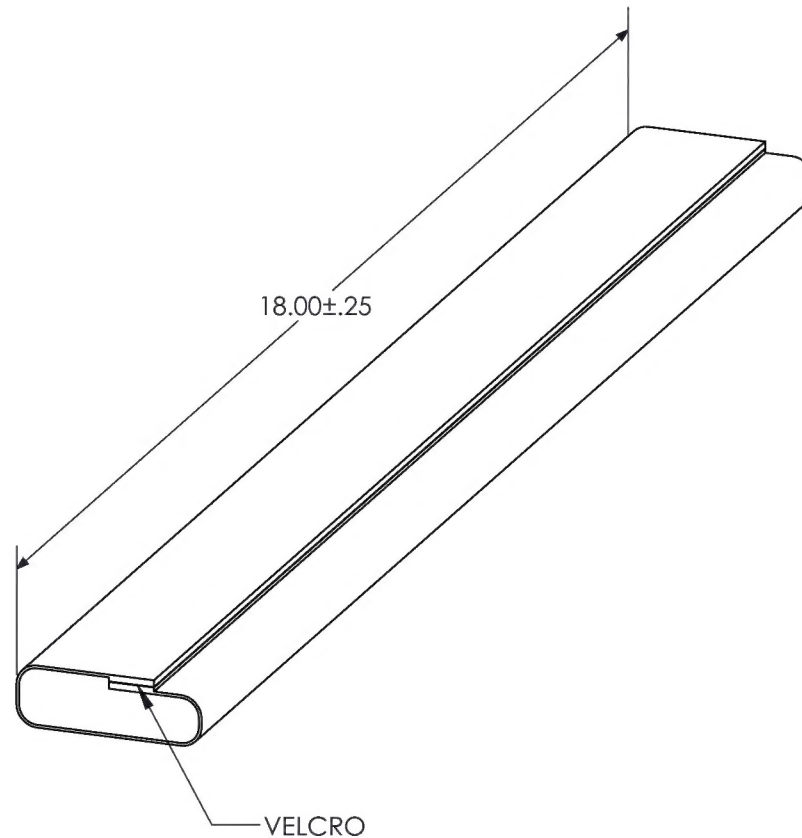
(-81)

SPANSET GREEN WEB SLING (2000kg) W/ Ø5/8 ELONGATED D-RING

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-81	REV 3
MAT'L SYNTHETIC, TYPE II	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT
.XX ± .01 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW139
SCALE 1:8	DATE 7/1/2014
	SHEET 6 OF 10

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



NOTE:
PADDED SLEEVE FOR 2" STRAP.

(-83)

SECURTEX SLEEVE, WEB SLING PROTECTOR PAD, W/ VELCRO

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-83	REV 3
MAT'L SYNTHETIC W/ PADDING	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT
.XX ± .01 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW139
SCALE 1:2	DATE 5/4/2009
	SHEET 7 OF 10


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

3/16" UPPER RIGHT

-89

STICKER, "UPPER RIGHT"

	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-89	REV 3
MAT'L CLEAR PLASTIC	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT
.XX ± .01 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW139
SCALE 4:1	DATE 6/17/2014
SHEET 8 OF 10	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

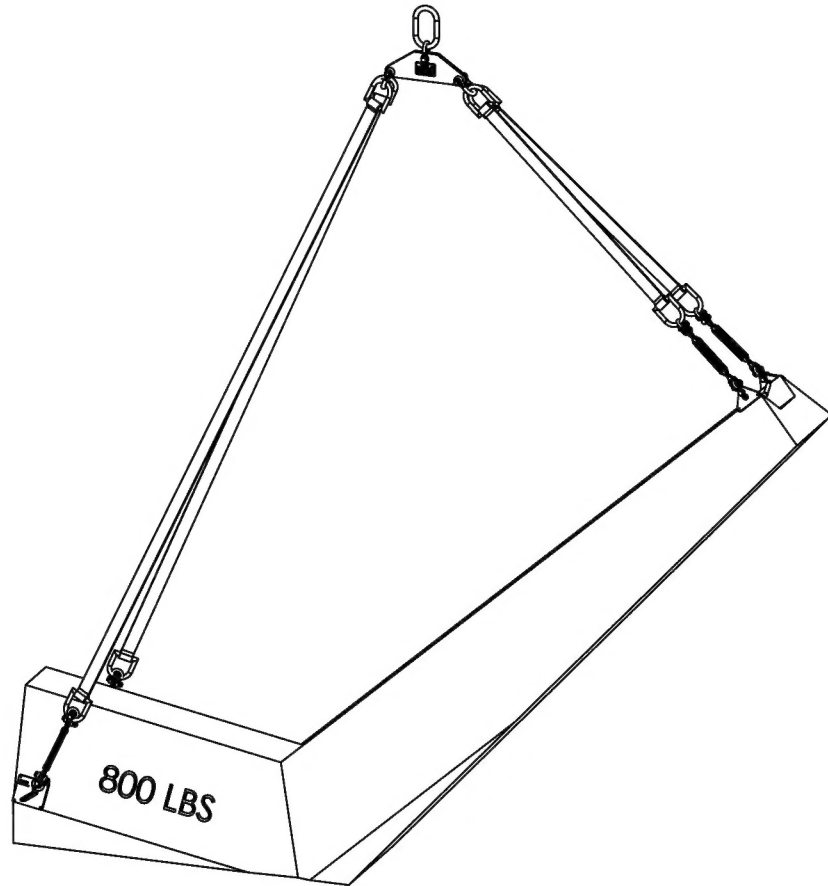
3/16" UPPER LEFT

(-91)

STICKER, "UPPER LEFT"

	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-91	REV 3
MAT'L CLEAR PLASTIC	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT
.XX ± .01 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW139
SCALE 4:1	DATE 6/17/2014
	SHEET 9 OF 10

FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBW5305G00131-3G, TAIL BOOM LIFTING SLING & ATTACHMENT. THIS ASSEMBLY IS DESIGNED EXCLUSIVELY FOR HOISTING AND INSTALLING/REMOVING THE TAIL BOOM. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON A OVERHEAD LIFTING DEVICE. ATTACH THE LIFTING FITTINGS & ROD MOUNTS TO AN APPROPRIATE TEST WEIGHT OF 800 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____

TESTER: _____

S.N.: _____

DATE: _____



190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166
e-mail: sales@dartaero.com
dartaerospace.com

TITLE TAIL BOOM LIFTING SLING & ATTACHMENT			
DWG NO.	RBW5305G00131-3G	REV	3
SCALE	1:30	DATE	7/1/2014
CUSTOMER 1 OF 1		SHEET 10 OF 10	